

**IN THE CLAIMS:**

- 1 1. (Previously Presented): A method for verifying a configuration of a storage environ-  
2 ment having at least one storage system operatively interconnected with at least one cli-  
3 ent, the method comprising the steps of:  
4       initiating a configuration verification program on at least one client to determine:  
5       (i) versions of components of the storage environment;  
6       (ii) configuration settings of components of the storage environment; and  
7       (iii) if one or more components of the storage environment have failed; and  
8       presenting a report to a user identifying a set of warnings and errors with the con-  
9 figuration of the storage environment.
- 1 2. (Original): The method of claim 1 wherein the step of initiating the configuration  
2 verification program comprises the step of entering a command line interface command.
- 1 3. (Original): The method of claim 1 wherein components of the storage environment  
2 further comprise one or more storage systems.
- 1 4. (Original): The method of claim 1 wherein components of the storage environment  
2 further comprise one or more clients.
- 1 5. (Original): The method of claim 1 wherein components of the storage environment  
2 further comprise one or more network switches.
- 1 6. (Original): The method of claim 1 wherein components of the storage environment  
2 further comprise one or more interconnecting cables joining other components.

1 7. (Original): The method of claim 1 further comprising the step of remotely accessing  
2 each of the storage systems by the configuration verification program to determine the  
3 version of a storage operating system executing on the storage system.

1 8. (Original): The method of claim 7 wherein the step of remotely accessing each of the  
2 storage systems comprises the step of sending a remote application program interface  
3 command to the storage system.

1 9. (Original): The method of claim 1 wherein the report further comprises a return code.

1 10. (Original): The method of claim 1 wherein the report further comprises a graphical  
2 representation of the configuration of the storage environment.

1 11. (Original): The method of claim 10 wherein the graphical representation further  
2 comprises representations of a version and current configuration of each component of  
3 the storage environment.

1 12. (Original): The method of claim 1 wherein an administrator initiates the configura-  
2 tion verification program.

1 13. (Original): The method of claim 1 further comprising the step of automatically cor-  
2 recting any of the set of warnings and errors detected.

1 14. (Original): The method of claim 1 further comprising the step of passing the set of  
2 warnings and errors to an expert system.

1 15. (Original): A system for verifying a configuration of a storage environment having  
2 at least one storage system and a client, the system comprising:

3           a configuration verification program executing on the client and adapted to de-  
4 termine versions of components of the storage environment, configuration settings of  
5 components of the storage environment and if one or more components of the storage en-  
6 vironment have failed.

1   16. (Original): The system of claim 15 wherein the configuration verification program is  
2 further adapted to present a report to a user identifying a set of warnings and errors with  
3 the configuration of the storage environment.

1   17. (Original): The system of claim 16 wherein the report comprises a graphical repre-  
2 sentation of the current configuration of the storage environment.

1   18. (Original): A system for verifying a configuration of a storage environment having  
2 at least one storage system and a client, the system comprising:

3           a configuration verification program executing on the client and including means  
4 for determining versions of components of the storage environment;

5           means for determining configuration settings of components of the storage envi-  
6 ronment;

7           means for determining if one or more components of the storage environment  
8 have failed; and

9           means for presenting a report to a user identifying a set of warnings and errors  
10 with the configuration of the storage environment.

1   19. (Original): The system of claim 18 wherein the report comprises a graphical repre-  
2 sentation of the current configuration of the storage environment.

1 20. (Original): The system of claim 18 wherein the means for determining configuration  
2 settings of components comprises means for remotely logging into each of the compo-  
3 nents of the storage environments.

1 21. (Original): A computer readable medium, including program instructions executing  
2 on a computer, for verifying a configuration of a storage environment, the computer  
3 readable medium including instructions for:

4 determining versions of components of the storage environment;  
5 determining configuration settings of components of the storage environment;  
6 determining if one or more components of the storage environment have failed;

7 and

8 presenting a report to a user identifying a set of warnings and errors with the con-  
9 figuration of the storage environment.

1 22. (Previously Presented): The computer readable medium of claim 21 wherein the step  
2 of determining versions of the components of the storage environment further comprises  
3 the step of remotely accessing one or more storage systems to determine the version of a  
4 storage operating system executing thereon.

1 23. (Previously Presented): The computer readable medium of claim 21 wherein the step  
2 of remotely accessing each of the one or more storage systems comprises the step of  
3 sending a remote application program interface command to the one or more storage sys-  
4 tems.

1 24. (Previously Presented): A system for verifying a configuration of a storage envi-  
2 ronment, the system comprising:  
3 one or more storage systems;

4           one or more clients, at least one of the one or more clients configured to execute a  
5 configuration verification program adapted to determine versions of one or more compo-  
6 nents of the storage environment, to configure settings of the one or more components of  
7 the storage environment and wherein the configuration verification program is further  
8 adapted to determine if any of the one or more components of the storage environment  
9 have failed.

1   25. (Previously Presented): The system of claim 24 wherein the configuration verifica-  
2 tion program is further adapted to present a report to a user identifying a set of warnings  
3 and errors with the configuration of the storage environment.

1   26. (Previously Presented): The system of claim 25 wherein the report comprises a  
2 graphical representation of the current configuration of the storage environment.

1   27. (Previously Presented): The system of claim 26 wherein the graphical representation  
2 comprises:

3           a client name field, the client name field to represent a name of the identified cli-  
4 ent;

5           a client type field, the client type field to identify a type of system that the client  
6 comprises; and

7           a client version field, the client version field to identify a particular version of an  
8 operating system.

1   28. (Previously Presented): The system of claim 27 wherein the client version field fur-  
2 ther comprises a software version identity.